

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter (where underlining “_” denotes additions and strikethrough “-” denotes deletions).

Claims:

1. (Currently Amended) A remote, self-contained communications antenna apparatus for establishing wireless communications, comprising:
equipment for
transceiving communication signals between said equipment
and a disconnected cell site that has been disconnected
from its cellular system, and
transceiving communication signals between said equipment
and a communications network; and
a mast for extending and collapsing an antenna; and
communication link means for setting up communication between the
remote, self-contained communications antenna apparatus and the
disconnected cell site.
2. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 806-960 MHz.
3. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 1710-1855 MHz.
4. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2500-2690 MHz.

5. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2.4-2.5 GHz.

6. (Previously Presented) The apparatus of claim 1, wherein said communication signals between said equipment and said disconnected cell site are for wireless paging devices.

7. (Previously Presented) The apparatus of claim 1, wherein said communication signals between said equipment and said disconnected cell site are for digital processing devices.

8. (Previously Presented) The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site comprise any frequency signal in the electromagnetic spectrum.

9. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 806-960 MHz.

10. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 1710-1855 MHz.

11. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 2500-2690 MHz.

12. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 2.4-2.5 GHz.

13. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network comprise any frequency signal in the electromagnetic spectrum.

14. (Original) The apparatus of claim 1, wherein said communications network comprises a celestial communications network.

15. (Original) The apparatus of claim 1, wherein said communications network comprises a terrestrial communications network.

16. (Previously Presented) The apparatus of claim 1, wherein said disconnected cell site transceives wireless communication signals with a wireless device; and

wherein said equipment comprises:

a power source for providing power to said remote, self-contained communications antenna apparatus;

a backup power source for providing backup power to said remote, self-contained communications antenna apparatus;

a charging source for

charging said power source, and

charging said backup power source;

transceiving equipment for

transmitting and receiving said communication signals between said equipment and said disconnected cell site, and

transmitting and receiving said communication signals between said equipment and said communications network;

network interface equipment for

processing said communication signals between said

equipment and said disconnected cell site, and

processing said communication signals between said

equipment and said communications network;

a control unit for
managing said communication signals between said
equipment and said disconnected cell site, and
managing said communication signals between said
equipment and said communications network;
a data storage unit for storing data associated with
said communication signals between said equipment and said
disconnected cell site, and
said communication signals between said equipment and said
communications network;
environmental control equipment for controlling temperature; and
stabilizing equipment to secure and balance the attachment of said
equipment to a vehicle;
wherein said control unit comprises a personal computer;
said vehicle comprises a trailer;
said vehicle is motorized;
said charging source charges said vehicle;
said mast comprises an extendible mast;
said signal processor comprises a digital signal processor
said power source comprises a gasoline-powered generator;
said backup power source is a solar-powered generator; and
said network interface equipment communicates with a customer
service unit of said disconnected cell site using wireless
communications.

17. (Original) The apparatus of claim 16, wherein said wireless device comprises at least one of the following:

- (a) a phone;
- (b) a computer;
- (c) a modem;
- (d) a pager;
- (e) a personal data assistant;
- (f) a global positioning system receiver; and
- (g) an interactive television.

18. (Previously Presented) The apparatus of claim 1, wherein said equipment comprises one or more of the following:

a power source for providing power to said remote, self-contained communications antenna apparatus;

a backup power source for providing backup power to said remote, self-contained communications antenna apparatus;

a charging source for

charging said power source, and

charging said backup power source;

transceiving equipment for

transmitting and receiving said communication signals between said equipment and said disconnected cell site, and

transmitting and receiving said communication signals between said equipment and said communications network;

network interface equipment for

processing said communication signals between said equipment and said disconnected cell site, and

processing said communication signals between said equipment and said communications network;

a control unit for

managing said communication signals between said equipment and said disconnected cell site, and
managing said communication signals between said equipment and said communications network;
a data storage unit for storing data associated with
said communication signals between said equipment and said disconnected cell site, and
said communication signals between said equipment and said communications network;
environmental control equipment for controlling temperature; and
stabilizing equipment to secure and balance said equipment.

19. (Original) The apparatus of claim 18, wherein said control unit comprises a personal computer.

20. (Previously Presented) The apparatus of claim 1, wherein said equipment is attached to a vehicle.

21. (Previously Presented) The apparatus of claim 20, wherein said vehicle comprises a trailer.

22. (Previously Presented) The apparatus of claim 20, wherein said vehicle comprises a motorized vehicle.

23. (Original) The apparatus of claim 22, wherein said charging source further charges said motorized vehicle.

24. (Original) The apparatus of claim 18, wherein said mast comprises an extendible mast.

25. (Original) The apparatus of claim 18, wherein said signal processor comprises a digital signal processor.

26. (Original) The apparatus of claim 18, wherein said signal processor comprises an analog signal processor.

27. (Original) The apparatus of claim 18, wherein said power source comprises at least one of the following:

- (a) a gasoline-powered generator;
- (b) a solar-powered generator; and
- (c) an electrical-powered generator.

28. (Original) The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using wireless communications.

29. (Original) The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using a wired medium.

30. (Canceled).

31. (Canceled).

32. (Canceled).

33. (Canceled).

34. (Canceled).

35. (Currently Amended) A method for establishing wireless communications, comprising:

transceiving wireless communication signals between a wireless device and a disconnected cell site that has been disconnected from its cellular system; and

transceiving communication signals between said disconnected cell site and a remote, self-contained communications antenna apparatus with a mast for extending and collapsing an antenna; and

transceiving communication signals between said remote, self-contained communications antenna apparatus and a communications network; wherein communication between the remote, self-contained communications antenna apparatus and the disconnected cell site is set up via a communication link means.

36. (Canceled).

37. (Previously Presented) The apparatus of claim 1, wherein the communication signals between said equipment and said disconnected cell site are signals of wireless communications.

38. (Previously Presented) The apparatus of claim 1, wherein the communication signals between said equipment and said communication network are signals of wireless communications.